

# **PIECED FLOORING THAT IS MADE OF FOAM MATERIAL**

## **BACKGROUND OF THE INVENTION**

### **1. Field of the Invention**

The present invention relates to a pieced flooring, and more  
5 particularly to a pieced flooring that is made of foam material.

### **2. Description of Related Art**

A conventional pieced flooring in accordance with the prior art  
shown in Fig. 5 comprises multiple polygonal floorboards (50)  
connected to one another. Each floorboard (50) includes multiple edges  
10 each having multiple dovetail tenons (51) laterally extending from the  
edges of each of the floorboards (50) and a dovetail mortise (52)  
defined between every two adjacent dovetail tenons (51) for  
complementally receiving a corresponding one of the dovetail tenons  
(51) of an adjacent floorboard (50).

15 As shown in Fig. 5, the conventional floorboard (50) usually is  
designed as a square and has a single color. Consequently, the  
conventional pieced flooring looks uninteresting.

The present invention has arisen to mitigate and/or obviate the  
disadvantages of the conventional pieced flooring.

## **20 SUMMARY OF THE INVENTION**

The main objective of the present invention is to provide an  
improved pieced flooring that is made of foam material and looks  
vivid.

To achieve the objective, the pieced flooring in accordance with the present invention comprises at least four rectangular floorboards connected to one another. Each floorboard includes four edges each having a series of dovetail tenons laterally extending from the edges of each of the floorboards and a dovetail mortise defined in the floorboard between every two adjacent dovetail tenons for complementally receiving a corresponding one of the dovetail tenons of an adjacent floorboard. Each floorboard includes four corners each having a cutout defined in the floorboards such that an opening is centrally defined in the pieced flooring relative to the at least four floorboards that are connected to one another. At least one insertion is fixedly inserted into the opening and having an area greater than that of the opening to prevent the insertion from detaching from the pieced flooring and to promote the connection between the floorboards.

Further benefits and advantages of the present invention will become apparent after a careful reading of the detailed description with appropriate reference to the accompanying drawings.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

Fig. 1 is a top plan view of a first embodiment of a pieced flooring in accordance with the present invention;

Fig. 2 is a top plan view of a second embodiment of a pieced flooring in accordance with the present invention;

Fig. 3 is a top plan view of a third embodiment of a pieced

flooring in accordance with the present invention;

Fig. 4 is a top plan view of a fourth embodiment of a pieced flooring in accordance with the present invention; and

Fig. 5 is a top plan view of a conventional pieced flooring in accordance with the present invention.

#### DETAILED DESCRIPTION OF THE INVENTION

Referring to the drawings and initially to Figs. 1-4, a pieced flooring in accordance with the present invention is made of foam material and comprises at least four rectangular floorboards (10) connected to one another and at least one insertion (20) centrally inserted into the pieced flooring relative every four connected floorboards (10).

Each floorboard (10) includes four edges each having a series of dovetail tenons (11) laterally extending from each of the four edges of each of the floorboards (10) and a dovetail mortise (12) defined in the floorboard (10) between every two adjacent dovetail tenons (11). The dovetail mortise (12) is provided to complementally receive a corresponding one of the series of dovetail tenons (11) of an adjacent floorboard (10) when the floorboards (10) connected to one another. Each floorboard (10) includes four corners each having a cutout (13) defined in each of the floorboards (10) such that an opening (14) is centrally defined in the pieced flooring relative to the at least four floorboards (10) that are connected to one another. The insertion (20) is

fixedly inserted in the opening (14) and has an area greater than that of the opening (14) to prevent the insertion (20) from detaching from the pieced flooring and to promote the connection between the floorboards (10). For easily manufacturing, the opening (14) and the insertion (20)  
5 is rectangular, as shown in Fig. 1.

With reference to Fig. 2, the opening (14) and the insertion (20) are designed as a rhombus for a vivid vision effect.

With reference to Fig. 3, the opening (14) and the insertion (20) are designed to have a round shape. Consequently, the insertion (20)  
10 can be universally inserted into the opening (14) without regarding the angle thereof.

With reference to Fig. 4, in the embodiment, the opening (14) and the insertion (20) are designed to have a cross shape. The insertion (20) includes four circle protrusions (22) laterally extending therefrom  
15 and the shape of the opening (14) corresponds to that of the insertion (20).

As described above, the pieced flooring in accordance with the present invention includes several advantages as follow.

1. The insertion (20) can provide a push force to the adjacent  
20 floorboards (10) to prevent the insertion (20) from detaching from the pieced flooring when the insertion (20) received in the opening (14) because the area of the insertion (20) is slightly greater than that of the opening (14).

2. The shape of the opening (14)/the insertion (20) is changeful such that the customer can easily select for a pieced flooring that is suitable to the decoration of his/her room.

3. The insertion (20) and the floorboard (10) may have a color  
5 different from each other. Consequently, the pieced flooring looks more vivid than the conventional pieced flooring after being assembled.

4. The connecting structure between the adjacent floorboards (10) retains the dovetail tenon and dovetail mortise of the conventional pieced flooring. Consequently, the manufacturing cost of the pieced  
10 flooring in accordance with the present invention is slightly increased, but providing a vivid vision effect and a better connection between the adjacent floorboard (10).

Although the invention has been explained in relation to its preferred embodiment, it is to be understood that many other possible  
15 modifications and variations can be made without departing from the spirit and scope of the invention as hereinafter claimed.